

Attorney's Do. No.

**COMBINED DECLARATION AND POWER OF ATTORNEY
FILED WITH U.S. DESIGNATED OFFICE UNDER 35 U.S.C. 371(c)(4)**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled ARRAY-TYPE OPTICAL DEVICE HAVING ENHANCED PUMP EFFICIENCY, described and claimed in international application number PCT/KR03/00492, filed on 13 March 2003, and as amended on _____

and for which I solicit a United States patent. (if any), which I have reviewed

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, Sec. 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Sec. 119(a)-(d) or Sec. 365(b) of any foreign application(s) for patent or inventor's certificate or Sec. 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority
Claimed

2002-13425
(Number)

Rep. of Korea
(Country)

13/03/2002
(Day/Month/Year Filed)

Yes No

10/507388

I hereby claim the benefit under Title 35, United States Code, Sec. 119(e) of any United States provisional application listed below:

Provisional Application No.

Filing Date

I hereby claim the benefit under Title 35, United States Code, Sec. 120 or §365 (c) of any PCT international application designating the United States of America listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Sec. 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Sec. 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

PCT/KR03/00492
(Applic. Serial No.)13 March 2003
(Filing Date)Pending
(Status) (patented, pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application, to file a corresponding international application, to prosecute and transact all business in the Patent and Trademark Office connected therewith:

Customer No.

20575

<u>Attorney Name</u>	<u>Registration No.</u>
Elmer W. Galbi	19,761
Jerome S. Marger	26,480
Alexander C. Johnson, Jr.	29,396
Alan T. McCollom	28,881
Stephen S. Ford	35,139
Julie L. Reed	35,349
Scott A. Schaffer	38,610
Joseph S. Makuch	39,286
James E. Harris	40,013
Kevin S. Ross	42,116
Graciela G. Cowger	42,444
Ariel Rogson	43,054
Craig R. Rogers	43,888
Hillary Brooks	45,815
Clifford D. Weston	48,307
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10/507388

Direct all telephone calls to
at (503) 222-3613 and send all correspondence to:

Marger Johnson & McCollom, P.C.
1030 S.W. Morrison Street
Portland, Oregon 97205

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

1-00 Full name of sole or first inventor: Jung-Hoon SHIN

Inventor's signature Jung-Hoon SHIN

Sep. 1, 2004
(Date)

Residence: Republic of Korea

Citizenship: Republic of Korea ✓

Post Office address: Semiconductor Physics Lab., Dept. of Physics, 373-1
Kusong-dong, Yusong-gu, Daejon 305-701, Rep. of Korea

KRX

2-00 Full name of third co-inventor: Nam-Kyoo PARK

Inventor's signature Nam-Kyoo PARK

Sep. 1, 2004
(Date)

Residence: Republic of Korea ✓

Citizenship: Republic of Korea ✓

Post Office address: 101-901 Gangchon Apt., 402 Dongbuichon-dong, Yongsan-gu,
Seoul 140-031, Rep. of Korea KRX.

10/507388
DT09 Rec'd PCT/PTO 10 SEP 2004
PATENT APPLICATION
Attorney's Docket No. 5204-053
Client No. PCT160US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Jung-Hoon SHIN and Nam-Kyoo PARK

Serial No.: Not Yet Assigned Group Art Unit: Not Yet Assigned

Filed: September 10, 2004 Examiner: Not Yet Assigned

For: ARRAY-TYPE OPTICAL DEVICE HAVING ENHANCED PUMP EFFICIENCY

Confirmation No. Not Yet Assigned

**REQUEST FOR ASSOCIATION OF CUSTOMER NO 20575
WITH POWER OF ATTORNEY AND CORRESPONDENCE ADDRESS**

Box PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

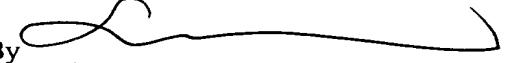
Pursuant to 37 CFR 1.32(c), applicant requests that the above-referenced application be associated with Customer No. 20575, rather than the individual-named attorneys, and that all correspondence be sent to the following address associated with Customer No. 20575:

Marger Johnson & McCollom, P.C.
1030 S.W. Morrison Street
Portland, Oregon 97205

20575
Customer No.

1030 S.W. Morrison Street
Portland, Oregon 97205
Telephone: (503) 222-3613

Respectfully submitted,
MARGER JOHNSON & McCOLLOM, P.C.

By 
Hosoon Lee
Limited Recognition Under 37 CFR § 10.9(b)

Rec'd PCT/PTO 10 SEP 2004
10/507388

Power of Attorney

Agent

Name : HUH, Jin-Seok

Address : 206 Sungji Bldg., 1338-22 Seocho-dong, Seocho-ku,
Seoul 137-070, Republic of Korea

I/We, the undersigned, do hereby appoint the above-identified agent as
my/our agent to act for me/us in all proceedings concerning the following
International Application.

International Application No. :

Title of Invention : ARRAY-TYPE OPTICAL DEVICE HAVING
ENHANCED PUMP EFFICIENCY

Date :

Applicant Name : LUXPERT TECHNOLOGIES CO., LTD.
(Representative : HA, Jeong-Min)



Address : 130-508, San 56-1, Shillim-dong, Kwanak-gu, Seoul 151-742,
Republic of Korea

Rec'd PCT/PTO 10 SEP 2004

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Applicant Name : SHIN, Jung-Hoon

(Seal)



Address : Semiconductor Physics Lab., Dept. of Physics,
373-1, Kusong-dong, Yusong-gu, Daejon 305-701,
Republic of Korea

Applicant Name : PARK, Nam-Kyoo

(Seal)



Address : 101-901 Gangchon Apt., 402, Dongbuichon-dong, Yongsan-gu,
Seoul 140-031, Republic of Korea

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant or Patentee: Jung-Hoon SHIN and Nam-Kyoo PARK

10/507388

Serial or Patent No.: Unknown

Filed or Issued: Herewith

For: ARRAY-TYPE OPTICAL DEVICE HAVING ENHANCED PUMP EFFICIENCY

**DECLARATION CLAIMING SMALL ENTITY
STATUS (37 CFR 1.9(f) and 1.27 (c))--SMALL BUSINESS CONCERN**

I hereby state that I am

the owner of the small business concern identified below:
 an official of the small business concern empowered to act on behalf of the concern identified below:

Name of Concern LUXPERT TECHNOLOGIES CO., LTD.

Address of Concern 1680-31 Bongcheon-dong, Gwanak-gu, Seoul 151-050, Rep. of Korea

I hereby state that the above-identified small business concern qualifies as a small business concern as defined in 13 CFR 121.3-18, and reproduced in 37 CFR 1.9(d), for purposes of paying reduced fees under Section 41(a) and (b) of Title 35, United States Code, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls or has the power to control both.

I hereby state that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention, entitled

ARRAY-TYPE OPTICAL DEVICE HAVING ENHANCED PUMP EFFICIENCY

by inventor(s) Jung-Hoon SHIN and Nam-Kyoo PARK

described in the specification filed herewith

application serial no. _____, filed _____,
 patent no. _____, issued _____

If the rights held by the above-identified small business concern are not exclusive, each individual, concern organization having rights to the invention is listed below * and no rights to the invention are held by any person, other than the inventor, who could not qualify as a small business concern under 37 CFR 1.9(d) or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e)

*NOTE: Separate statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

FULL NAME: _____

ADDRESS: _____

individual small business concern nonprofit organization

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

NAME OF PERSON SIGNING Jeong-Min HA

TITLE OF PERSON OTHER THAN OWNER Representative

ADDRESS OF PERSON SIGNING 1680-31 Bongcheon-dong, Gwanak-gu, Seoul 151-050, Rep. of Korea

Signature 2-7-12

Date Sep. 1, 2004

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PTD9 Rec'd PCT/PTO 10 SEP 2004

**BEFORE THE OFFICE OF ENROLLMENT AND DISCIPLINE
UNITED STATES PATENT AND TRADEMARK OFFICE**

LIMITED RECOGNITION UNDER 37 CFR § 10.9(b)

Hosoon Lee is hereby given limited recognition under 37 CFR § 10.9(b), as an employee of the law firm of Marger Johnson & McCollom, PC, to prepare and prosecute patent applications wherein the patent applicant is a client of the law firm of Marger Johnson & McCollom, PC, and a registered practitioner, who is a member of the law firm of Marger Johnson & McCollom, PC, is the practitioner of record in the application. This limited recognition shall expire on the date appearing below, or when whichever of the following events first occurs prior to the date appearing below: (i) Hosoon Lee ceases to lawfully reside in the United States, (ii) Hosoon Lee's employment with the law firm of Marger Johnson & McCollom, PC, ceases or is terminated, or (iii) Hosoon Lee ceases to remain or reside in the United States, authorized to be employed by an Employment Authorization Card issued pursuant to 8 CFR § 274a.12(c)(9).

This document constitutes proof of such limited recognition. The original of this document is on file in the Office of Enrollment and Discipline of the U.S. Patent and Trademark Office.

Expires: July 16, 2005



Harry I. Moatz
Director of Enrollment and Discipline